## In the Claims:

Please amend claims 1 and 10-14 as follows.

1. (Currently Amended) A chiral catalyst used for oxidative coupling of naphthols, comprising which is a novel-vanadium complex of Schiff's base formed by a chiral amino acid and a formyl biphenol or its derivatives, wherein it has having the general formula:

where R represents a benzyl, an isopropyl, an isobutyl or a tertiary butyl and the configuration of the amino acid is R or S.

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- 2. (Original) The chiral catalyst according to claim 1, wherein said R is a benzyl when the configuration of the amino acid is S.
- 3. (Original) The chiral catalyst according to claim 1, wherein said R is an isopropyl when the configuration of the amino acid is S.
- 4. (Original) The chiral catalyst according to claim 1, wherein said R is an isobutyl when the configuration of the amino acid is S.
- 5. (Original) The chiral catalyst according to claim 1, wherein said R is a tertiary butyl when the configuration of the amino acid is S.
- 6. (Original) The chiral catalyst according to claim 1, wherein said R is a benzyl when the configuration of the amino acid is R.
- 7. (Original) The chiral catalyst according to claim 1, wherein said R is an isopropyl when the configuration of the amino acid is R.

- 8. (Original) The chiral catalyst according to claim 1, wherein said R IS an isobutyl when the configuration of the amino acid is R.
- 9. (Original) The chiral catalyst according to claim 1, wherein said R is a tertiary butyl when the configuration of the amino acid is R.
- 10. (Currently Amended) A process for preparing a chiral catalyst used for oxidative coupling of naphthols, which consists of comprising the following steps:
  - a. <u>making a solution of To water was solved</u> a chiral amino acid and sodium acetate <u>dissolved in water</u>;
- b. A-adding a solution of 3'3-bi-formly -\_biphenol3,3'-diformyl-2,2'-dihydroxy-1,1'phenyl in a mixed reagent of EtOH and THF was added to the solution obtained by step a, and stirring the reaction mixture was stirred for 1~3 hours at 70~90°C; and
- c. Anadding an- aqueous solution of 25% VOS0<sub>4</sub> was added to the resulting mixture, then it was cooled cooling it to ambient temperature; after, then stirring it for 1 ~3 hours, to produce the catalyst was produced.

- 11. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, wherein in step a further comprising

  stirring the solution of step a was stirred for 5~ 15 minutes at 40~60 °e

  when a chiral amino acid and sodium acetate was solved to water C.
- 12. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, <u>further comprising combining wherein in step b the weight ratio of</u> the mixed reagent to <u>and 3'3-bi-formly \_biphenol\_3,3'-diformyl-2,2'-dihydroxy-1,1'phenyl is in a ratio of 20~25:1, and in <u>the mixed reagent, combining</u> the <u>volume ratio of EtOH to THF is in a volume ratio of about 1: 1.</u></u>
- 13. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, wherein the molar ratio of the chiral amino acid, sodium acetate, water, 3'3-bi-formly-biphenol to VOS0<sub>4</sub> of steps a, b and c is 1.2:2.4:100~150: 0.5: 1.1.
- 14. (Currently Amended) A use method of using a chiral catalyst used for oxidative coupling of naphthol for the preparation of binaphthol or its

derivatives, comprising catalyzing wherein with naphthol or its derivatives as stating material and with oxygen as an oxidize oxidizing agent with,  $1 \sim 1$  Omol% 10 mol % of the chiral catalyst can catalyze the oxidative coupling reaction of claim 1 to produce highly optically pure binaphthol or its derivatives.